

Review

p101-104

#s9, 12-14, 20, 22, 24, 35, 37-45,
47, 50, 54

Line of best fit by hand

Ch 2 Review

2.1

Relation and Function
Function?

1-1?

$$f(x) = 3x^2 - 2$$

$$f(2) = 3(2)^2 - 2 = 10$$

Domain

Range

Graphs

Mappings

$$\{(1,2)(2,3)(3,4)\}$$

$$D: \{1,2,3\}$$

$$R: \{2,3,4\}$$

2-2 and 2-3

linear equations

slope

$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

parallel

perpendicular

horizontal

vertical

standard form

graph

intercepts

slope

$$y = mx + b$$

→ same slope

→ opp. reciprocals

 $m = 0$

no slope / undefined

$$Ax + By = C$$

parallel lines

perpendicular lines

2-4

Writing equations

point slope

2 points

parallel

perpendicular

variation word problems

$$y - y_1 = m(x - x_1)$$

2-5

Scatter plot (by hand)

- plot pts
- sketch line
- write equation of line

2-6

special functions

greatest integer $[x]$

piecewise functions

absolute value

$y = a|x - h| + k$
 write equation from graph
 graph

$$y = [x]$$

x	y
3.2	3
8.6	8
-2.4	-3
-2.1	-3

2-7

Linear inequalities

- dash/solid
- shade

~~Double absolute value~~